Genera Turo.

302

a : Smout longer; preorbital
greater than eye; membrane
of spinous dorsal entire.
Chironemus.

a. 2 Smout short; preorbital
est than eye; membrane of
spinous dorsal deeply notiched
after each spine. Theepterius.

- run Lever 1-1. 3, h. 78, april 1-27. Jype ein nemus gerge ind lewer, martypie. Body etongalety ovoid, slightly compressed. It ead small. I mout rather long and hointed, Eye knall, highe, moudes dipper profile, advanced from middle in length of head. hvouth short I'm clept, moderate, horizental, terminal, finz Egnal. mæljillæry not front off eye. Amad teeth in both jand and on women, mone on fakatines. Preopercle en tiré.

Pseudobranchiae present. Branchicktegalt 6. ho air bladder. Tyllorie Caeca 2. Scaler rather small, eyeloid, Lateral line firesent, complete. One dorsal with 14 or 15 spines anal with 3 Apriles. Candal trimcated. Lower 6 rand uppermost pectoral rays simple. l'enstralia.

3-5

a. Pertoral with 6 simple rays;

soft dorsal base rather

shorter than spinous dorsal
base.

a. Pertoral with 7 simple rays;

soft dorsal base half long as

spinous dorsal base georgianus.

Chironemus marmoratus d'inter literen men de mondier den der, Lat. Frak. Brit. mux, not. 2, 76, 1800 (Eype locality, & wom lever, bearney : skanel. - Gill, Fre. arad. I nat. Vii, Thitairesphia, 4.114, hurch 1 to 2, reference . \_ hurc'eng. York. Live Touth Wales, 5, pt. 4, h. 4 21, 18-81/ Even Suntrule, damley thund; ert rekton. legilby, Edible Fish, hew tout Water, Ju. 54, pl. 17, 1873 hew-Nouth water; Lord Howe Island,. Attend, Edible Fish, hear buth Wales, p. 70, 1908. \_ Waite, France. hew gerkund Insti, wot. 42, 4.37-1909 (1110) (Kermader Islands), p. 381 (horfolta Island).

- Roughley, Fisker of Australia, f. 121, pl. 139, 1916. he Culloch and Phillips, Rec. austral. hur, vol. 14, 20.1, 7.19, Feb. 28, 1923 (Bay of Islands, hew-gealand, Port Jackson. — We Cullock and Whitley, hiem. Queenstand hurs, vol. 8, Tht. 2, L. 157, July 7, 1925 (reference) - he Culloch, Custral, hus, hem., ho. 5, pt. 2, p. 256, Vep. 10, 1929 (reference); Fisher of Lew- Youth Wales, ed. 3, L.67, pl. 29, fig. 245a,

1934.

Haplodactylus Lorgussomi Hector,
Trans. how Zealand Inst., vol. 7,
p. 243, July 1875 (type locality,
Kawahawa May, how Zealand). Chironemus Lorgresson Heetor, l.c., vol. 9, p. 467, pl.8, fig. 8a, - Waite, Reci Canterbury hun., vol. 1, ho. 1, h 21, aprilt 25, 1907 (reference). Chironemus aboriginales Whitley, austral. Brologist, vol. 6, pt. 4, p. 321, Feb. 13, 1931 (on agilly and Roughley).

Depth 2 %; Lead 3 4. Amout 2 = in head; eye 5 = 2 in smout; mayillary not reaching ege; interorbital impring on upper profile of head. I Scales 55 to 58 in lateral line; 10 above, 20 helow. Q. XV, 18, right spine 2 10 in head, First branched ray 210; a. III, 6, second spine 2 5, first ray 13; candal 15, Lanvey Dehind; least depth of candal feduncke 2 3 jectoral with only ends free, ventral I, 5, fin 13 in head. brown, blotched and warbled with rich dark reddish - brown. young and half grown examples

with bright red spots of woderate brown; immaculate, Other Ling spotted and specked with reddisk brown. Length 355
mm. (Agilby.) Lucensland, how South Waler, Victoria, Western Australia. Tarmania, hew Bealand, Lord It owe Irland.

Chironemus abouginalis

Curording to Whitley & would

differ from Chironemus marmoratus

Ginther in the sixth dorsal

spine largest, generally \$ \( \frac{1}{2} \) to

2 in head and the height of

body more than length of head.

Chironemus georgianus Cuvier Cheronemus georgeanus Cewier, Hist. hat. Pouss, vol. 3, p. 78, April 1829 Etype locality, "fort odu roi Gleorge à la houvelle-Hollande). - Ginther, Cat. Fish. Brit. huns., vol. 2, p. 76, 1860 (copied). - Gill, Proc. acad. hat. Lei. Philadelphia, 1.114, hvarch 1862 (reference). macleay, Froc. Linn. Hor. how Youth Waler, Tool. 5, pt. 3, p. 421, 188/ (copied).

- he Culloch, Austral. huis. hem., ho.5, ft. 2, p. 255, Hep. 10, 1929 (reference). D. XX, 16, base of soft dorsal half long as spinous dorsal base, 'A. III, 7, pectoral with 7 simple rays. (Günther) western Dustralia. Genus Threpterius Richardson, Proc. Zool.
Threpterius Richardson, Proc. Zool.
Voc. London, vol. 18, p. 68, 1850.
(Type Threpterius maculosus
Richardson, monotypie.)

Oeffers from Chironemus Cuvier in the short mont, the preorbital less than the eye rand the membrane of the spinous dorsal deeply notiched.

Threpterius muculorus Richardson Threfiterius manukorus Richardson), Proc. Good. For. Loncon, vol. 18, 4.70, Prices pl. 2, Liga. 1-2; 1850 (type locality, King George & Hound). - Waite, Rec. South austral. Enux. vol. 2, ho.1, p. 125, fig. 189 (copied). April 23, 1921. - he Cullock, Austral. hur. hem., ho. 5, jt. 2, p. 256, Sep. 10, 1929 (reference).

Chironemus maculosus Ginther, Cat. Fish. Brit. hust., vol. 2, L. 78, 1860 (copied). - Gill, Proc. Wead. hat, Vei. Thiladelphia, p. 114, march 1862 (reference). - macleage, Groc. Linn. Hor. hew Houth Walder, vol. 5, pt. 3, h. 421, 1881 (copied).

- Waite, Rec. austral. huns, vol. 6;

pt. 2, f. 63, Yef. 15, 1905 (Houtman's abrother). Preorbital narrow. Yeaker 5 7 m lateral line. D. XIV, 16, base of toft dorsal 3 that of themous; le. III, 7. seven simple fectoral rays; membrane le Leveen dobral spines deepty notified, and produced into a Amall free lobe behind lach sprine, Pale brown. Head, body, toft. dorral, caudal and anal fins spotted with blackoush. Junther.) Western Kinstralia.